

Three Good Ideas



Naval Interoperability Workshop

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Raytheon

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Abstract		
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Capability = Doctrine + Process + Connectivity

Manage

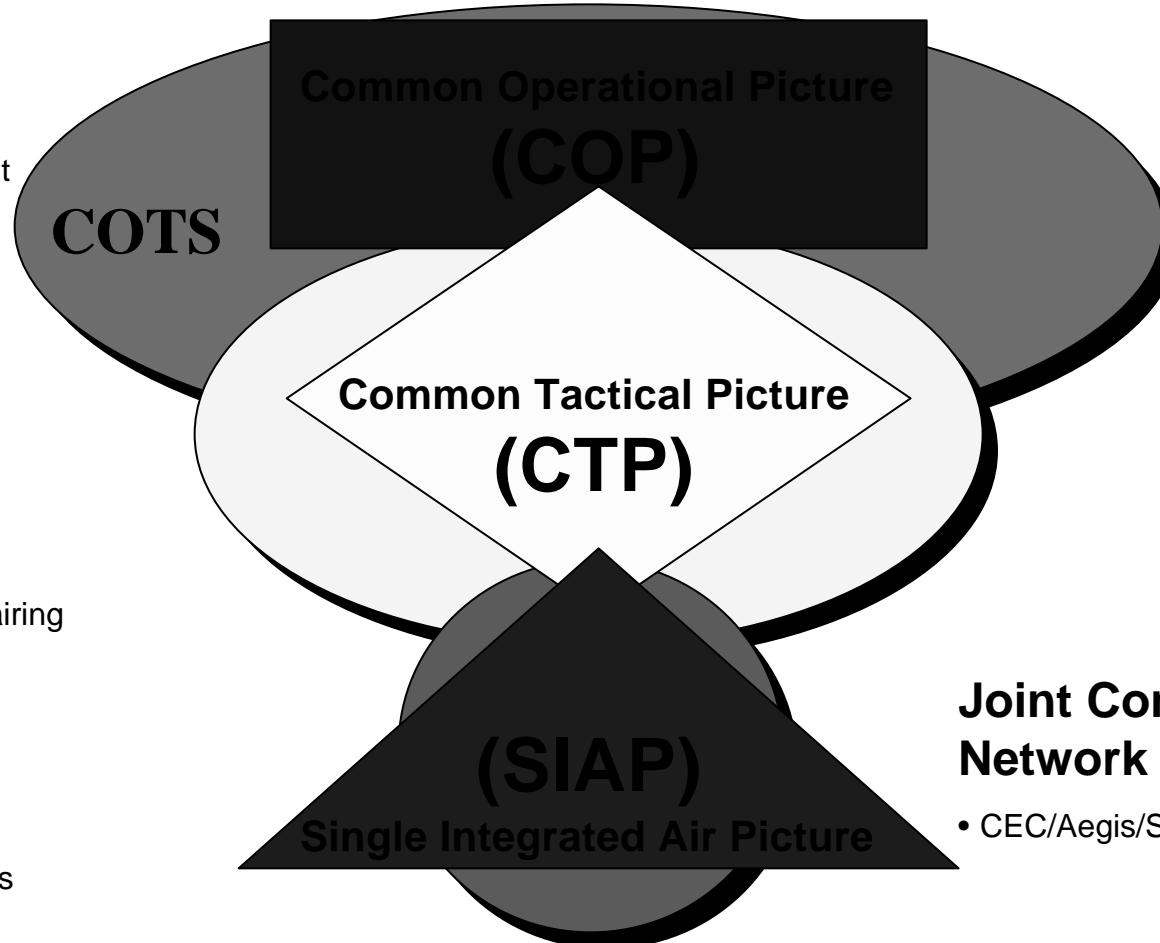
- Planning
- Force Management
- Deployment
- Movement
- Logistic Support

Control

- Maneuver
- Asset Control
- Target/Weapon Pairing
- Fire Support

Engage

- Single picture
- Deconflicted tracks
- Remote engage



Joint Planning Network (JPN)

- GCCS, GCSS
- NMCI, IT-21, BLII

Joint Data Network (JDN)

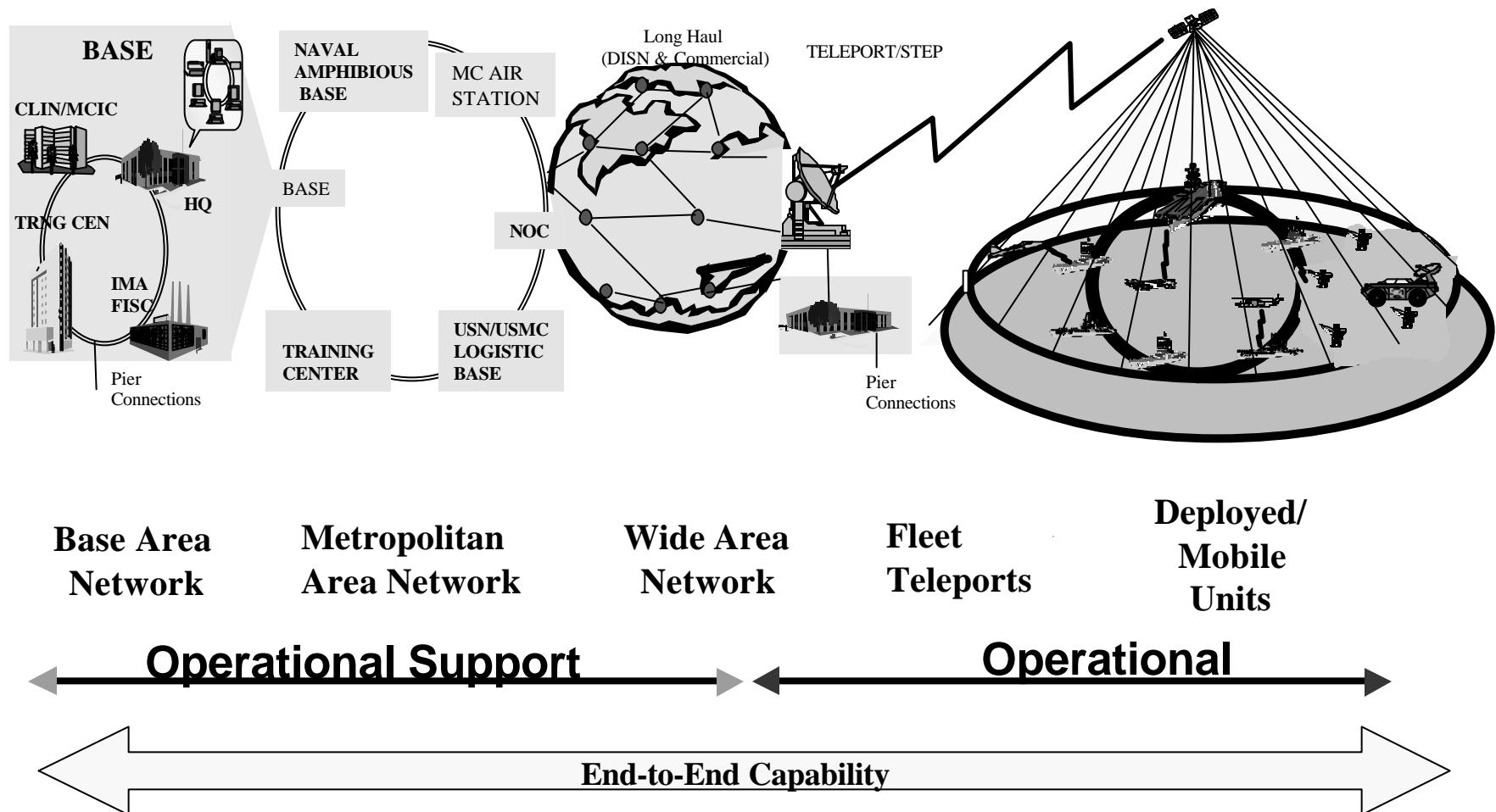
- Link 11/16/22/Aegis
- EPLRS/AFATDS

Joint Composite Tracking Network (JCTN)

- CEC/Aegis/SSDS

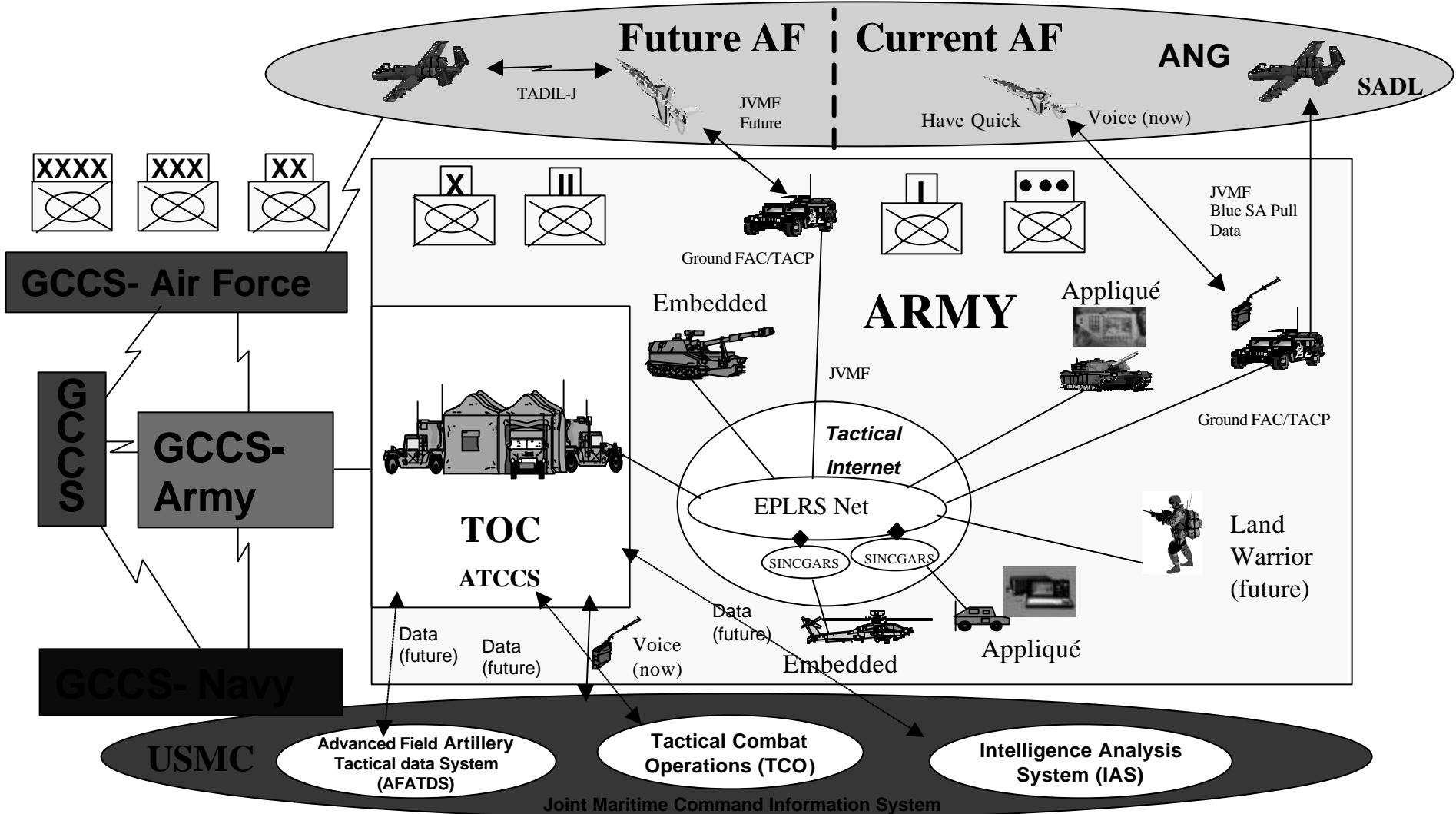
Net Centric Warfare Actualized
in Three Interacting Networks

Planning, Management and Support: NMCI/IT-21/BLII Enables New Doctrine and Process



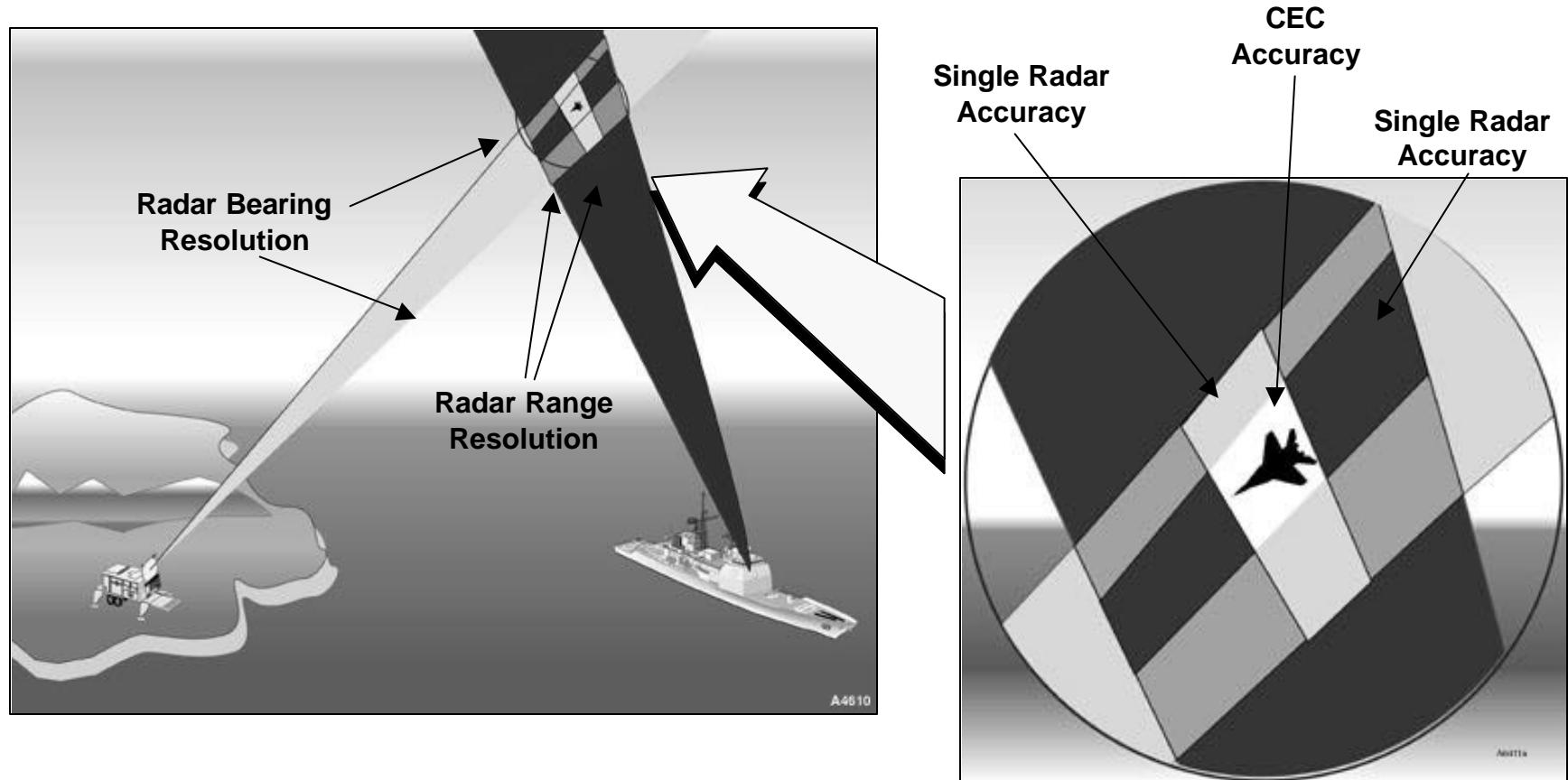
Global Grid = 7X24 Sustained Global Operations

Fires/Fire Support: Joint Team can share Doctrine + Process + Connectivity



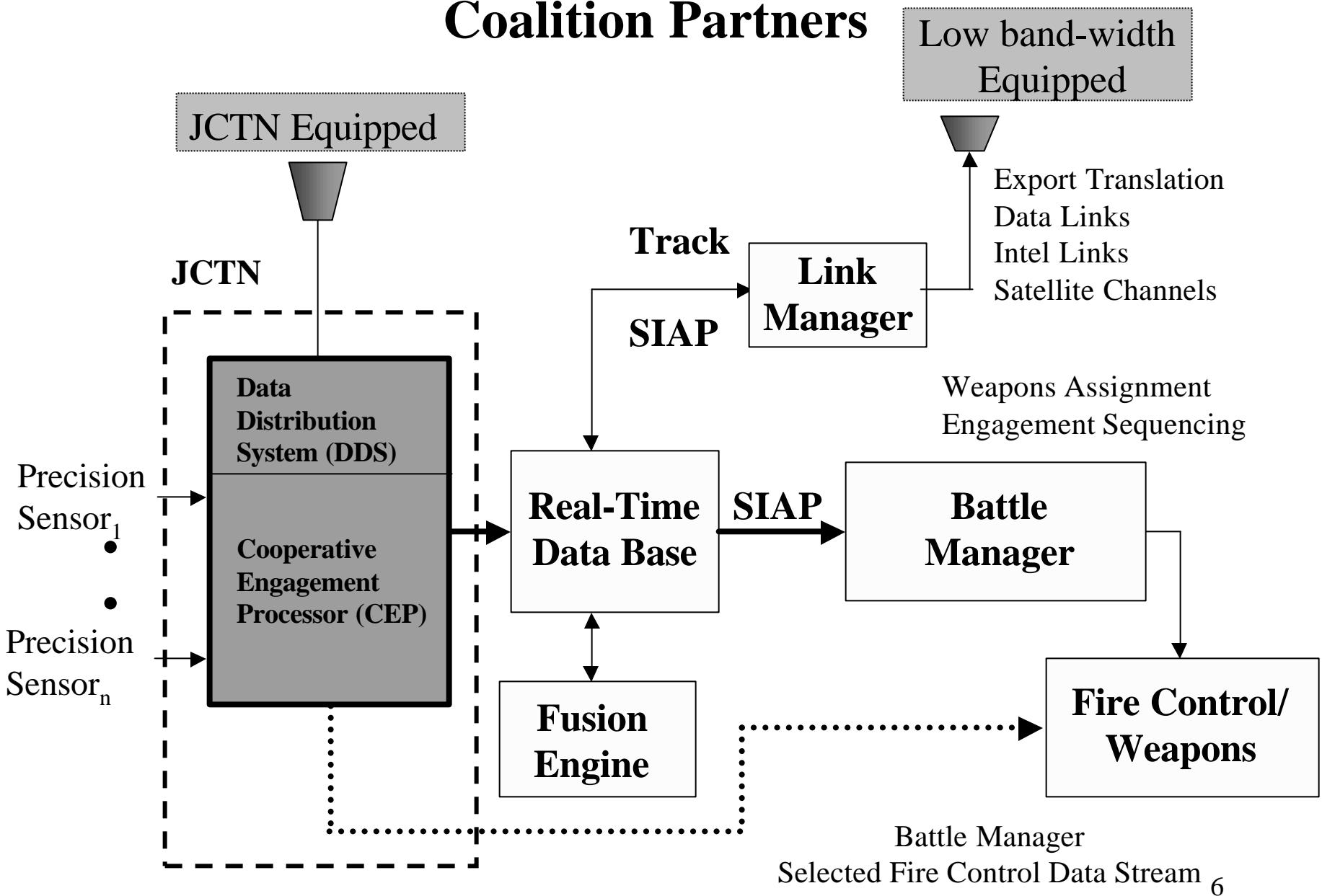
Joint Team Has Ground Target Picture Now

Air Defense: Precision Radar Measurements Process + CEC Process + Wide-band Connectivity . . . Creates a Composite Track Network

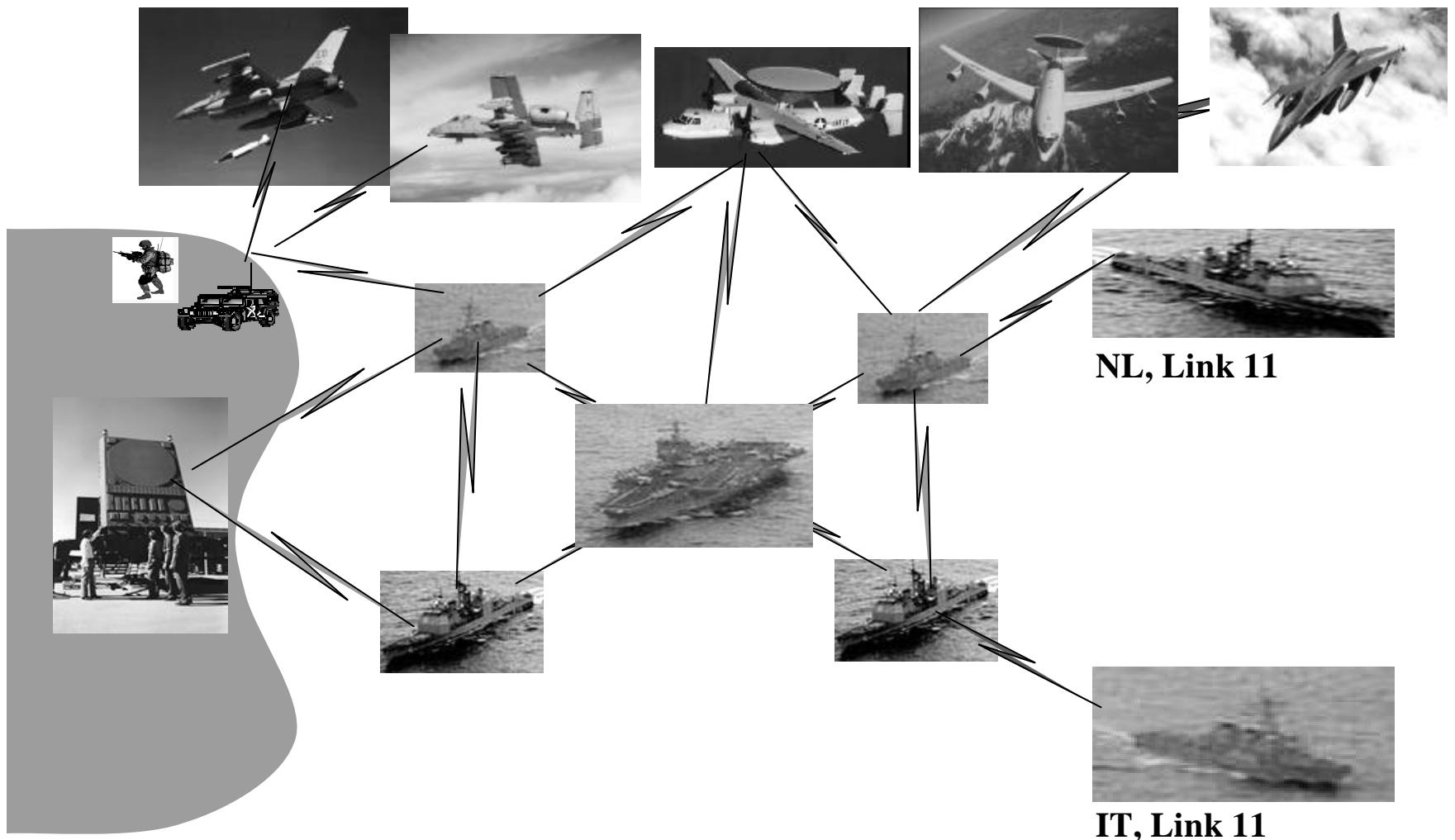


“CEC... proves the power of NCW”; Net
Centric Warfare, 1999

Extending the Composite Track Network to Joint and Coalition Partners



Extend JCTN and SIAP to Joint and Coalition Forces



Naval Forces Enhanced by Three Good Ideas . . . Next Step

- Plan to exploit Internet Build out
- Join the Fires/Fire Support Net
- Deploy CEC and extend to Joint and Coalition Partners
 - JCTN for precision Sensor/CEC capable assets
 - SIAP for low-bandwidth/ non-precision assets

